SOUTHWEST COODINATION CENTER
- Predictive Services Unit
- Intelligence Operations Section

DESCRIBING THE SWCC 7-DAY FIRE POTENTIAL OUTLOOK RESOURCE SECTION AND USE OF THE NATIONAL ANTICIPATED RESOURCE DEMAND (NARD)

The 7-Day Fire Potential product is a well received and useful tool for tracking fire potential within the Predictive Services Areas (PSA) of the Southwest Area. Fire Managers use the tool for assisting in prescribed fire planning, wildland fire severity funding, media display, and potential fire activity. However, most fire manager's disregard or do not understand the potential of the Resource Section, located near the bottom of the product. If completed properly, this section can provide an inordinate amount of information on the status and potential for resource usage over the forthcoming 7-Day period in the Southwest Area.

I. PURPOSE

The purpose of the Resource Section is to provide general information pertaining to resource availability, mobilization, demand, and potential usage within the Southwest Area as it relates to fire potential over a progressive 7-day period. It is <u>not intended</u> to specify where resources will be mobilized (i.e. a specific incident), nor will it define factors in the use and commitment of resources in a specified PSA. More than anything, the Resource Section of the 7-Day Fire Potential Outlook is designed to serve as a "**HEADS UP**" to the wildland fire community within the Southwest Area, other Geo Areas, dispatch centers within the Southwest Area, GACC personnel, and National Coordination Center (NICC).

II. RESOURCE SECTION COMPONENTS

Presently, most 7-Day Fire Potential Outlook – Resource Sections are very benign, only stating the specified preparedness level and whether there is a low, moderate, or high demand for resources. In the Southwest Area, we have broken down the section into two primary components: Geographic Area (i.e. Within the Area) and National (From / To National). Each has its own description and purpose.

1. **Geographic Area (Within Southwest Area)**
   The purpose of this component is to describe the demand for resources, primarily additional resources, within the SW Area. Additional resources refer to those resources needed in the event an initial or extended attack fire goes to project fire level. This comes from the definition established for the fire potential table.

   An inordinate amount of information can be inserted in this component, ranging from the preparedness level to which Predictive Services Area (PSA) is in the greatest demand. Examples of information that can be inserted in the Geo Area section may include:

1. Geo Area Preparedness Level (i.e. 1, 2, 3, 4, or 5)
2. Level of resources available to meet initial and extended attack:
   - Adequate level of resources; increased need for resources from outside the local sphere of responsibility; MEL; increased need for air and engine resources; use of severity resources
3. Reason for increase or decrease in resource demand for resources:
   - Fire restrictions / closures in place; drawdown levels; specific resources in place
4. Specific areas within Geo Area or PSA(s) where mobilizations will occur as related to fire potential
   - Northeast portion of Geo Area; PSA's 04/06/10; Cochise County
5. Human caused or lightning caused effects relative to the time of the year
   - Recreational Activity; holiday; lightning episodes forecasted
6. Types of resources demand is anticipated for:
   - Engines, Type 1 and/or 2 crews; Type 3 IMT's; miscellaneous overhead
7. Demand for IMT's
   - Type 1 IMT(s); Type 2 IMT(s)

Example of a "Within Southwest Area" entry:

SWA Preparedness Level: 3

Low to moderate demand for additional resources across the Area.
Adequate resources available within Area today to meet initial and limited extended attack activity. However, over the next 7-day period fire potential will continue to rise, primarily in the western portion of the Area (PSA 1-4). This is especially true for the July 4th holiday and the recreational component associated. As such, demand for additional resources will increase for engines, T1/T2 crews, T3 IMT's, and misc. overhead. Moderate to high potential for T1/T2 IMT's at this time and through the 7-Day period.

2. National (From / To National)

The purpose of the National component is to provide information on the demand for resources from Out-of-Area as well as indicating the potential demand for Southwest Area resources to other Geo Areas. When the SWA is experiencing one or more incidents causing a real drawdown of specifically significant resources, the SWCC will often send an order to NICC requesting like resources from out of Area. This part of the 7-Day Fire Potential product is where that information is displayed.

Part 1: Text: The first part of this section is general information on resource drawdown, potential request of additional resources, and some statement on why there is a need. For example:

National Preparedness Level: 3

Moderate to high demand for air resources, and low demand for Out-of-

Area Type 1 crews and IMT's. Anticipate low to moderate demand for request of additional Type 1 crews and high demand for heavy air resources (i.e. A/T's, T1 heli.) from NICC over the next 1-4 day period due to current large fire activity and forecasted dry lightning in central and western Arizona. Potential demand for resources in the Southwest Area to other Geo Areas has increase to high due to specific activity in Southern CA.

Part 2: SWA Anticipated Resource Demand (ARD): This part of the Resource Section provides a day-by-day look at the probability that the SWCC will be placing an order to NICC for the specific resource listed. The purpose of the SW ARD is to relate the day-to-day activity (i.e. available, committed, mandatory day off, unavailable, etc) of a specific resource (i.e. Type 1 / Type 2 IMTS and T1 Crews) to the 7-Day Fire Potential table (i.e. low, moderate, high, wind, lightning, etc).

| SWA ANTICIPATED RESOURCE DEMAND (ARD) **		Mon Nov 10	Tue Nov 11	Wed Nov 12	Thu Nov 13	Fri Nov 14	Sat Nov 15	Sun Nov 16
This table is experimental.	T1 & 2 IMT's							
	T1 Crews							

Example of the SWA ARD:
In this example, the SWCC is indicating to NICC and other GACC's there is a low probability over the next 1 to 3 days that the GACC will be placing an order to NICC for Type 1 crews. However, about the fourth day from the present, there is a higher probability the SWA will be ordering additional IMTS or T1 crews (might be due to lightning forecasted and the present commitment of these resources). Even though the table displays and increased probability, it <u>does not</u> mean the SWCC will definitely order these resources, only that the fire potential is high enough and the availability of crews in the Area is low enough (i.e. available resource versus committed resource versus total resources) that with any new large fire activity, there may be a need for assistance outside the Geo Area for the resource listed.

<u>Background and Analysis:</u> Prior to placing any color in the above table, a separate analysis is completed. This analysis consists of determining which PSA(s) have historically used the resource and at what level the resource has been used (i.e. low, moderate, high). From there, the analysis consists of calculating the percentage of current available resources and cross references these with the historical use and the current fire potential, as well as the confidence level for ordering the resource within the GACC office. (For additional information, see "Setting up the NARD Worksheet" at http://gacc.nifc.gov/training/intelligence/support_programs/gacc_intell_coord/nard/setting_up_the_nard_093008.pdf. To view the latest version of the NARD, go to: http://gacc.nifc.gov/training/intelligence/support_programs/gacc_intell_coord/nard/nard_national_example.pdf. To download the spreadsheet, go to: http://gacc.nifc.gov/training/intelligence/support_programs/gacc_intell_coord/nard/nard_national_example.xls.)

Legend: On the left side of the SWCC 7-Day Product, you will see the NARD Index. This index is provided as a guide to the colors displayed in the National Resource Section.

NATIONAL ANTICIPATED RESOURCE DEMAND INDEX **

☐ Anticipate **low** demand for resources from outside the Area

☐ Anticipate **low to moderate** demand for resources from outside the Area

☐ Anticipate **moderate to high** demand for resources from outside the Area

☐ Anticipate **high to very high** demand for resources from outside the Area

** (Experimental Index) Resources refers to T1 resources (i.e. Crews, Helo's, A/T's, IMT's). Demand for additional resources nationally is based on utilization of resources currently in the Area.